



# TECH BULLETIN

4/26/17

REF: JEEP 4.6L ICON FORGED PISTONS

PART NUMBER(S): IC944, IC945 AND IC668

BULLETIN FOR: Added skirt clearance

Due to this engine being known to run hot, these recommendations are listed.

- AERA Bulletin 1278 states that cylinders 4, 5 and 6 could overheat if air in the cooling system is not removed. When filling with coolant, lift front of vehicle so radiator filler neck is the highest part of the cooling system.
- Limit idle time on a fresh rebuilt engine. The skirts are oiled by the rotating assembly splashing oil onto the cylinder walls. With minimal splash at idle, the skirts could lose the required oil film to protect them from scuffing.
- **Piston skirt to cylinder wall clearance:**  
**Street .004" minimum Race/Boosted .005"**  
Axis point for measuring is .592" up from bottom of skirt with piston at 70F.

**UNITED ENGINE & MACHINE CO.**  
PISTONS

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FORM IC1001